

Exercise: Truth Tree Tests for Validity

Test the following arguments to see whether they are valid or invalid using the truth tree method:

1.	$A \supset (C \ \& \ D)$ $(C \equiv D)$ ----- $\sim(A \ \& \ C)$	Check answer	<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;">The answer is</div>
2.	$\sim(R \vee S)$ $\sim(R \supset T)$ ----- $\sim(\sim T \supset P)$	Check answer	
3.	$S \ \& \ (R \vee \sim T)$ $\sim R \ \& \ \sim\sim T$ $T \equiv R$ ----- $S \equiv T$	Check answer	
4.	$(A \supset B)$ $(B \supset C)$ ----- $(A \supset C)$	Check answer	
5.	$(R \vee T)$ $A \supset (\sim R \ \& \ \sim T)$ ----- $\sim A$	Check answer	